

1. A method for instantiating project models as instances of a process model to which they conform comprising the steps of

supporting the work in process by rendering said process models as elements of a computer-based system, and

supporting the work of the process by rendering said project models as elements of a computer-based system.

2. A method for modeling work processes comprising the steps of

instantiating a plurality of objects by abstract or concrete classes, and including at least a decision class and a data class,

relating each decision object to one or more data
objects which it produces

requiring, for at least one decision object, at least one data object as a prerequisite to its activation or completion, and

optionally generating additional subclasses or instances of said decision and data classes.

3. The method of claim 2 further comprising the step of relating an arc or link class linking a first decision with a second decision.

4. The method of claim 2 further comprising the steps of

generating a decision role class specialized into
at least two subclasses, each with differing behaviors,
and

defining for each decision role class the communication requirements among the incumbents of roles participating in a decision, the rights of each such role

class incumbents with respect to (a) entering data elements in a database, (b) modifying elements in a database and/or (c) reading elements from a database.

5. A method for traversing networks including
5 nodes and directed arcs comprising the steps of
utilizing messaging between said nodes and arcs
and collections of said arcs, and
determining the membership of said collections by
at least one of their entry nodes and exit nodes.

10 6. A method of modelling and managing work
processes comprising the steps of
 using a network whose nodes are abstract decision
situations, and
 providing arcs directed by decisions based on
15 logical precedence.

7. The method of claim 6 further comprising the step of requiring nodes to support participation of multiple persons in differentiated roles.

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